

## ABSTRACT OF THE DISCLOSURE

An infrared transmission system with automatic character identification is disclosed. In the process of identifying a selected type of internal code contained in information sent from a sender device, check whether the value of each character contained in the sent information is within a default range of a specific internal code, discard all internal codes having values other than the default range, perform an conversion and an analysis on the qualified information based on the value of internal code thereof, select those less frequently appeared and qualified types of internal codes as the types of internal codes, and convert the received information into one having the type of internal code compatible to the recipient device. This can prevent random codes from occurring, show the correct information at the recipient device, carry out an errorless information communication and exchange between various electronic devices supporting software of different languages.

15